

20030619.qrp v02_n956.qrl.20030619

Date: Thu, 19 Jun 2003 19:03:10 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2956

QRP-L Digest 2956

Topics covered in this issue include:

- 1) [152501] Re: Need Xtal specs: Icom IC-22A
by "Mike Yetsko" <myetsko@insydesw.com>
- 2) [152502] RE: 5/8 2m antenna question
by "Ian Wilson" <ianmwilson@earthlink.net>
- 3) [152503] SkyScan small clock for \$9.99
by Chuck Adams <k7qo@commspeed.net>
- 4) [152504] OK, yet another sale on batteries
by Chuck Adams <k7qo@commspeed.net>
- 5) [152505] Re: J-37 Straight Key
by "Rod N0RC" <rod@n0rc.us>
- 6) [152506] Update on the Walgreens clock
by Chuck Adams <k7qo@commspeed.net>
- 7) [152507] Re: QRP windmill
by "Steven Weber" <kd1jv@moose.ncia.net>
- 8) [152508] Re: QRP windmill
by "Mike Yetsko" <myetsko@insydesw.com>
- 9) [152509] Infrequent Reminder - QRP-L Help Commands
by Paul Valko <w8kc@comcast.net>
- 10) [152510] For Trade: DSW-20 station
by "dan wanchic" <wa8vzq@cloudnet.com>
- 11) [152511] Last Try... Infrequent Reminder - QRP-L Help Commands
by Paul Valko <w8kc@comcast.net>
- 12) [152512] Comments: Cautionary Note
by "dan wanchic" <wa8vzq@cloudnet.com>
- 13) [152513] Re: Good evening all
by "DTX" <dtx@wood.tzo.com>
- 14) [152514] Re: QRP windmill
by "DTX" <dtx@wood.tzo.com>
- 15) [152515] Iowa QRP Club Hamboree Recap
by "John Burnley" <JBurnley@ifmc.org>
- 16) [152516] FOX:N4DD Final Log
by "Dennis Brickey" <n4dd@preferred.com>
- 17) [152517] LabView for Simulations?
by "George Heron N2APB" <n2apb@erols.com>
- 18) [152518] WTB: Index Labs QRP+
by "K. Edwards" <n3eeg@hotmail.com>
- 19) [152519] Spam is about to arrive

- by Karl Larsen <k5di@msn.com>
- 20) [152520] NEQRP CW Net, Thursday, 19 June 03, 08:30 PM EDT, 3.565 MHz
by Chuck Ludinsky <cjl@mitre.org>
- 21) [152521] Good tutorial!
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
- 22) [152522] Wow ! Look at those DSW-II-20s GO !
by "Bill, N4QA" <n4qa@hotmail.com>
- 23) [152523] roof top radial question
by Mike Seiffert & Lorene Samoska <samsei@earthlink.net>
- 24) [152524] NC40A Upgrade
by John Meade <jm416@optonline.net>
- 25) [152525] New linux site
by "Martin Hartwell" <chartwell@worldnet.att.net>
- 26) [152526] DSW II - The Build
by "Brian Murrey - KB9BVN" <brian@iquest.net>
- 27) [152527] Reminder - NJQRP meeting this Saturday
by "n2cx" <n2cx@voicenet.com>
- 28) [152528] Since we trade rigs and such...
by "Mike Yetsko" <myetsko@insydesw.com>
- 29) [152529] More or less on topic cheap "atomic" clock
by "n2cx" <n2cx@voicenet.com>
- 30) [152530] Re: SuSe 8.2 & RH 9.0
by George Gingell <k3tks@u1.abs.net>
- 31) [152531] Re:MiniProp Plus for DOS on Poquet
by "Adam Vazquez Kb2Jpd" <adamvaz@palm.net>
- 32) [152532] RE: QRP windmill
by "Robert K. Henderson" <rkh@sympatico.ca>
- 33) [152533] Norcal Doublet?
by "Jerry Felts" <nr5a@rap.midco.net>
- 34) [152534] Re: QRP windmill
by Peter Burbank <plburbank@earthlink.net>
- 35) [152535] Re: LabView for Simulations?
by "Henry Freedenberg" <henryf@quartz.gly.fsu.edu>
- 36) [152536] N3VXI off to NC
by Jim Eshleman <jce0@Lehigh.EDU>
- 37) [152537] RE: Norcal Doublet?
by "Paul Maciel" <ak1p@earthlink.net>
- 38) [152538] Re: Norcal Doublet?
by ARDUJENSKI@aol.com
- 39) [152539] K0EVZ moving to NM
by "Doc K0EVZ" <dock0evz@earthlink.net>
- 40) [152540] RE. windmill
by Peter Burbank <plburbank@earthlink.net>
- 41) [152541] Re: QRP windmill
by Dave Hottell <hottell@gulftel.com>
- 42) [152542] WTB KAT100 tuner for K2/100
by "Doc K0EVZ" <dock0evz@earthlink.net>
- 43) [152543] Internet Problems

by Edgar R Guillot <n5ed@juno.com>
44) [152544] RE: NC40A Upgrade & dsw-20
by "Terres Family" <terresfm@ncia.net>
45) [152545] NETXQRP Club Meeting & HamCom 21 June
by Chuck Carpenter <w5usj@9plus.net>
46) [152546] Need MFJ-9406 schematic, please
by Tom Bowman <wa3rey@comcast.net>
47) [152547] Re: Internet Problems
by Karl Larsen <k5di@msn.com>
48) [152548] Re: K0EVZ moving to NM
by Karl Larsen <k5di@msn.com>
49) [152549] WTB: Ten Tec 217 CW Filter
by Al Scanandoah <k2zn@rochester.rr.com>
50) [152550] Harness the heat ... was QRP windmill
by "Greg Tomerlin -WN4M" <wn4m@charter.net>
51) [152551] Harness the heat ... was QRP windmill
by "Greg Tomerlin -WN4M" <wn4m@charter.net>
52) [152552] Re: Need MFJ-9406 schematic, please
by "Dave Sjolin" <sjolin@swbell.net>
53) [152553] f/s...last call
by <nf7v@cox.net>
54) [152554] Do I need a SM cap?
by "Tom Dufresne" <tdufres@hotmail.com>
55) [152555] Re: Do I need a SM cap?
by "Dennis Ponsness" <wb0wao@hotmail.com>
56) [152556] Re: SuSe 8.2 & RH 9.0
by David J Adams <david@theadamsclan.com>
57) [152557] WTB OHR 500
by James Crofutt <crokc@comcast.net>
58) [152558] Re: Do I need a SM cap?
by "Mike Boatright" <ko4wx@mindspring.com>
59) [152559] Morse Keys for sale....
by Wayne Dillon <kc0pmh@yahoo.com>
60) [152560] antenna tuner
by James Crofutt <crokc@comcast.net>
61) [152561] 'F11x1 DIL module
by "Leon Heller" <leon_heller@hotmail.com>
62) [152562] Fw: Internet Problems
by "Al McRorie" <mcrorie7@rogers.com>
63) [152563] OHR 500 found
by James Crofutt <crokc@comcast.net>
64) [152564] Front end mixers
by "Rich Johnson" <rjohnson390@attbi.com>
65) [152565] Re: Front end mixers
by "John J. McDonough" <wb8rcr@arrl.net>
66) [152566] Re: Front end mixers
by "w8diz" <w8diz@fpqrp.com>
67) [152567] Re: [ham] Front end mixers

by KD5NWA <KD5NWA@cbayona.com>
68) [152568] Re: [ham] Front end mixers
by "Sverre Holm" <la3za@qsl.net>
69) [152569] guidance on modifying the tenna dipper
by Gary Lee <kb9zuv@arrl.net>
70) [152570] Re: [ham] Front end mixers
by Dale Botkin <dale@botkin.org>

Date: Wed, 18 Jun 2003 11:08:42 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <wkhibbert@juno.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [152501] Re: Need Xtal specs: Icom IC-22A
Message-ID: <015001c335ab\$84ecd860\$0200a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Hi. Keith here in the Depths of the Great Bergen Swamp
>
> I stumbled across one of my old radios, and Icom IC-22A I ran in the
> mobile in 1975 - 1985. I had sold it at the Deerfield (NH) fleamarket
> 1985 or 1986, and found it on a table at a fleamarket a couple of weeks
> ago.
>
> My call was still on it, but the book was nowhere to be found. What I
> need is the following:
>
> >Crystal load and mode info
>
> >Verification of the calcs to figure the crystal frequency
>
> >A crystal source that won't charge over \$20 per rock (That's what
> International Crystal quoted me!)
>
>
> What I remember is that the RX crystal is a 15 MHz fundamental
calculated
> by the RX frequency - 10.7 MHz then divided by 9, and the TX was an 18
> MHz fundamental with the TX frequency divided by 8.
>
> Are Crystek, Bomar or Savoy still in the business? The only thing my
> search came up with was a site for Bomar for CPU clocks.
>
> Drop me a reply, and if anyone has the manual for the IC-22A, I'd be

> happy to pay for copying costs and postage to get a copy .
>
> 73, Wm. Keith Hibbert, WB2VU0, TC/WNY ARRL Section
> "My night light runs more power than my Rig!!!"

You know, once you know the spec on the crystals, that might be a neat little radio to make an outboard PLL for!

Mike

Date: Wed, 18 Jun 2003 08:32:04 -0700
From: "Ian Wilson" <ianmwilson@earthlink.net>
To: <cx8at@adinet.com.uy>,
 "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [152502] RE: 5/8 2m antenna question
Message-ID: <000a01c335ae\$d36ccb50\$1002a8c0@TrabucoIan>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

Assuming the whip is 5/8 at 440MHz, and therefore about 16" long, using MMANA I came up with an LC matching network (C across the drive point and ground, L in series with the antenna) of 126nH/22pF. Using wire with 2mm diameter, the inductor would be 4 turns occupying 1.5cm on your coil form.

If this is for mobile work, I would expect the characteristics to depend quite a lot on how it's mounted, etc, so be ready to experiment!

Hope this helps.

de ian, K3IMW/6

> -----Original Message-----
> From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of ALBERTO
> Sent: Tuesday, June 17, 2003 6:42 PM
> To: Low Power Amateur Radio Discussion
> Subject: 5/8 2m antenna question

>
> hi
> I want to modify a 5/8 UHF antenna to use it in 2m, I will use only
its
> magnetic base and feedline.
> I already have the whip for it, but, as we know, it needs a coil at
its
> base to match impedances, so the question is:
> What should be the inductance for this coil for 146 Mhz use (or how to
> calculate it) , having that, I could desing it for the existing coil
> form (it is 1.27cm of diameter [1/2"] and about 3.5cm long (soldering
> point to soldering point)[1- 6/16"].
> (no ant-analyzer here)(yet)
>
> Thanks
> Al, CX8AT/qrp

Date: Wed, 18 Jun 2003 15:36:19 +0100
From: Chuck Adams <k7qo@commspeed.net>
To: qrp-l@lehigh.edu
Subject: [152503] SkyScan small clock for \$9.99
Message-ID: <5.2.1.1.0.20030618153021.00b21790@mail.commspeed.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang,

For those of you that do not have a WWVH clock in your house some where
and for those that have one but want another then this deal is for you.

Walgreens has the SkyScan small clock on sale for \$9.99 without the battery
(it needs one AA). On sale all this week as the 7 day coupons were in the
Sunday paper. You don't need the paper as they have a stand at the front of
the store with the coupons any way. Figure the retired folks forget to bring
them along. :-)

When you first start it up you may have to wait until sunset or later for it to
grab the information.

The ad shows a different clock and I mentioned it and they gave me a rain
check but I don't know they ever get the clock that has the temperature
display.

The larger clock is \$19.99, but I have a couple of those already. :-)

An individual that has several WWV clocks always has the right time on each clock... :-) Contrary to the urban legend about multiple clocks/watches.

FYI

Chuck Adams K7QO k7qo@commspeed.net
<http://www.qsl.net/k7qo> CP-60

Date: Wed, 18 Jun 2003 15:46:45 +0100
From: Chuck Adams <k7qo@commspeed.net>
To: qrp-l@lehigh.edu
Subject: [152504] OK, yet another sale on batteries
Message-ID: <5.2.1.1.0.20030618154027.00b218b8@mail.commspeed.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

One of the first things that I do on Wednesdays before going down into the flatlands/lowlands to Phoenix, AZ is get the paper and look at the Fry's ad.

On Monday I was irritated because they had Lenmar NoMEM PRO AA NiMH batteries on sale for \$5.99 for 4. Their ad is good for only two days, Mon and Tue. So I was going to miss the sale.

Good news. In this mornings paper the same batteries are on sale for \$4.99 Saved a buck by waiting. :-) I don't know if all the Fry's run the same sales items, but I suspect that they do to save duplication of effort. So look at todays ad if you have a Fry's and see if they too may have the deal.

I am not familiar with the brand Lenmar, but I just have to try it out. Item #3011069 in the ad and there does not seem to be a limit for the item but Fry's has an override in the fine print at the bottom of the page.

Again, FYI,

P.S. Let's hope this is not one of their typos and they do have them in stock. Film at 11.

Chuck Adams K7QO k7qo@commspeed.net
http://www.qsl.net/k7qo CP-60

Date: Wed, 18 Jun 2003 10:04:19 -0600
From: "Rod N0RC" <rod@n0rc.us>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [152505] Re: J-37 Straight Key
Message-ID: <005d01c335b3\$470f29a0\$6501a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

The key is spoken for, thanks all.

73, Rod N0RC

----- Original Message -----
From: "Rod N0RC" <rod@n0rc.us>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Wednesday, June 18, 2003 8:21 AM
Subject: FS: J-37 Straight Key

> On wood base, \$25 shipped CONUS
>
> pictures @ <http://www.frii.com/~rwc/fs/j37.html>
>
> 73, Rod N0RC
>
>
>
>

Date: Wed, 18 Jun 2003 16:05:53 +0100
From: Chuck Adams <k7qo@commspeed.net>
To: qrp-1@lehigh.edu
Subject: [152506] Update on the Walgreens clock
Message-ID: <5.2.1.1.0.20030618160137.00b219e0@mail.commspeed.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Model number for the clock is SkyScan Model 31981
and it does any time zone (you can set it for UTC) and
it has 24hr display also if you want. Neat stuff.

But, for some reason it wants -1 to get the correct UTC
time. Will have to wait for it to reset to see if it corrects
itself.

Sorry for the missed info in the first posting.

Chuck Adams K7QO k7qo@commspeed.net
<http://www.qsl.net/k7qo> CP-60

Date: Wed, 18 Jun 2003 12:11:13 -0400
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: <myetsko@insydesw.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [152507] Re: QRP windmill
Message-ID: <003d01c335b4\$d5bca000\$dfccfea9@turbotoo>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> A lot of old farms had LITTLE windmills. Used
to just pump water
> from ponds into troughs for cattle and such.
With overflows back
> into the ponds.

If your in a place with consistant and moderate
winds, probably do well.
At my QTH, the only time we get any wind is when a
front is moving through, and then it's really
windy! Especially in the winter!

The Cummings truck load tool sale came to town a
few weeks ago and they had a decerative lawn wind
mill for not a lot of money. 15 foot high, if I
remeber correctly. Was really tempted to buy it to
play with. If nothing else, the mini tower stand

might have been handy :-)

I have a little DC generator which puts out 4.5 volts/ 100 rpm. Doesn't have a current rating marked on it, but should be enough to keep a battery charged. I've always wanted to put it to use in a wind mill.

If you can figure out a way to couple to it, I've often thought one of those air vent spinners might be good to try. Don't matter which direction the wind is blowing.

72,
Steve, KD1JV
White mountains of New Hampshire
"melt Solder"
www.qsl.net/kd1jv/

Date: Wed, 18 Jun 2003 12:11:41 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Steven Weber" <kd1jv@moose.ncia.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [152508] Re: QRP windmill
Message-ID: <027001c335b4\$5114aa00\$0200a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> If you can figure out a way to couple to it, I've
> often thought one of those air vent spinners might
> be good to try. Don't matter which direction the
> wind is blowing.

Hmm, just put magnets in a ring around the bottom. Then put
a bunch of coils on the base...

Actually, I thought those were convection powered by the rising
heat, NOT from the wind...

Mike

Date: Wed, 18 Jun 2003 14:27:54 -0400
From: Paul Valko <w8kc@comcast.net>
To: w8kc@comcast.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [152509] Infrequent Reminder - QRP-L Help Commands
Message-ID: <76ef4e76c115.76c11576ef4e@icomcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-language: en
Content-transfer-encoding: 7BIT
Content-disposition: inline

> Lots' of handy QRP-L instructions and friendly tips are found here...
> <" target="l"><http://mywebpages.comcast.net/w8kc/qxplc.htm>>
>
> The usual stuff... how to subscribe, postpone for a vacation,
> unpostpone:-), etc.
>
> Heck, if you don't have one, you might as well get your very own,
> good-for-life, QRP-L Member Number.
>
> Everyone have a GREAT day.
>
> 73! =paul= W8KC
> Collector of Ten*Tecs and Other Fine Plastics.
> Visit the Virtual Ten*Tec Museum at <http://mywebpages.comcast.net/w8kc>
>
>
>
>
>
>

Date: Tue, 17 Jun 2003 15:27:20 -0500
From: "dan wanchic" <wa8vzq@cloudnet.com>
To: <qrp-l@Lehigh.EDU>
Subject: [152510] For Trade: DSW-20 station
Message-ID: <001301c3350f\$1a6ae320\$ac6dbcd1@newuser>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gang,

Anyone interested?

I have a SWL DSW-20 nicely built in a black plastic enclosure with Bencher black base paddles and an unmounted KD1JV wattmeter...with manuals....all work fine....

Looking to trade for a TenTec RX-320

Dan
St. Cloud, MN

-- -- -- -- -- WA8VZQ -- Since 1967 -- -- -- -- --
Federal Aviation Administration -- -- Electronics Technician
ex-Nuclear Emergency Search Team (NEST) 1977 - 1981
-- -- -- NEST Three Mile Island Response Team -- -- --
-- -- ex-HFer @ ACA-15, WAR-46, KAL-24, KZ5VZ -- -- --
My clock battery is dead - Ignore the date & time of this note

Date: Wed, 18 Jun 2003 14:36:00 -0400
From: Paul Valko <w8kc@comcast.net>
To: Paul Valko <w8kc@comcast.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [152511] Last Try... Infrequent Reminder - QRP-L Help Commands
Message-ID: <76a4db76588f.76588f76a4db@icomcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-language: en
Content-transfer-encoding: 7BIT
Content-disposition: inline

Lots' of handy QRP-L instructions and friendly tips are found here...

<http://mywebpages.comcast.net/w8kc/qrpplc.htm>

The usual stuff... how to subscribe, postpone for a vacation, unpostpone:-), etc.

Heck, if you don't have one, you might as well get your very own, good-for-life, QRP-L Member Number.

Everyone have a GREAT day.

73! =paul= W8KC
Collector of Ten*Tecs and Other Fine Plastics.
Visit the Virtual Ten*Tec Museum at
<http://mywebpages.comcast.net/w8kc>

Date: Tue, 17 Jun 2003 16:01:50 -0500
From: "dan wanchic" <wa8vzq@cloudnet.com>
To: <qrp-1@Lehigh.EDU>
Subject: [152512] Comments: Cautionary Note
Message-ID: <002c01c33513\$b3e9ca80\$ac6dbcd1@newuser>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gang,

After reading the message that Tim posted to the list last night, I thought that I would post this letter that I sent to the QST editor last year on the subject of tower climbing safety. ARRL chose not to publish my letter.

I am by no means a tower climbing expert. There may be some who will disagree on what is good or safe climbing practice. I can only say that as an electronics technician who climbs short towers on a fairly frequent basis, safety is not an issue to treat lightly.

Anyone who climbs should take a few minutes to think about the importance of climbing safety.

Regards

Dan

I am disappointed that none of the hams pictured on the cover of the July 2002 QST appear to be wearing a full body harness. There is much more to climbing safety than just arresting a fall from a tower. If that was all that was needed then a body belt would be adequate.

I've taken two tower climbing safety classes within the last four years and I take climbing safety very seriously as should each amateur. Each class has

stressed two important factors about falls and fall protection systems.

First, ANY fall in a climbing situation has the potential to be life threatening.

Second, while as body belt may stop you from falling, they also can cause more harm than good.

According to a paper presented at the 1998 International Fall Protection Symposium, just being suspended by a body belt alone WITHOUT INJURIES causes modification of cardiac rhythm within 2 to 12 minutes.

According to a 1997 OSHA news release 97-341 "studies indicate that persons suspended in body belts receive internal injuries and cannot tolerate suspension long enough to allow for retrieval".

In other words, internal injuries and effects due to reduced circulation caused by being suspended by a body belt may kill you before you are rescued. The suspension tolerance after a fall for a person wearing a body belt is approximately one minute.

Because your weight is distributed over a full body harness, its use reduces the chance of internal injury due to a fall and it extends the amount of time you can be suspended. The suspension tolerance for someone wearing a full body harness is approximately 14 minutes. In addition, a full body harness prevents rollout (another problem with body belts).

As of January 1998, use of full body harnesses for personal fall arrest systems have been mandated in industry. Fully body harnesses are fairly inexpensive, starting under \$100. If an amateur radio operator can afford to own a tower, then for their safety they should own and use a full body harness when climbing.

If ARRL choses to show amateurs climbing towers on the front cover of QST, then they have a responsibility to use a photograph that promotes climbing safety.

Dan
St. Cloud, MN

-- -- -- -- -- WA8VZQ -- Since 1967 -- -- -- -- --
Federal Aviation Administration -- -- Electronics Technician
ex-Nuclear Emergency Search Team (NEST) 1977 - 1981
-- -- -- NEST Three Mile Island Response Team -- -- --
-- -- ex-HFer @ ACA-15, WAR-46, KAL-24, KZ5VZ -- -- --
My clock battery is dead - Ignore the date & time of this note

Date: Wed, 18 Jun 2003 12:11:45 -0700
From: "DTX" <dtx@wood.tzo.com>
To: <myetsko@insydesw.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [152513] Re: Good evening all
Message-ID: <001601c335cd\$76171d60\$0c00a8c0@home>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well, with a Sterling (Stirling? sp?) engine we can get down to the noise of a burning candle and bearings. What do we use for a little 5 to 10 watt dynamo? Perhaps a small PM 12 volt motor from RS with a big pulley on the engine and a little pulley on the PM motor?

I wonder if some of the little demonstration kits would have enough torque for this task? Seems I recall some kits that were less than \$100...science fair project things. Ah, so many little interesting side channels with a life line too short to follow them all. Darn.

Gary WA6DTX
----- Original Message -----
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Wednesday, June 18, 2003 3:39 AM
Subject: Re: Good evening all

> > First thing I'd do is to get a nice hefty gel cell and leave that
> > generator at home. Boy there's nothing better to upset the other campers
> > than a generator.
>
> You know, with QRP, you could use a SMALL generator like the Honda
> lunchbox and it would STILL be overkill.
>
> So, if you had a small generator, how quiet could you get it?
>
> Mike
>
>

Date: Wed, 18 Jun 2003 12:35:09 -0700
From: "DTX" <dtx@wood.tzo.com>
To: <myetsko@insydesw.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [152514] Re: QRP windmill
Message-ID: <001c01c335d0\$bb1b3ce0\$0c00a8c0@home>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

And along those lines, our friends at Harbor Freight have these cute little garden decoration windmills, right? One is about 3 foot tall and another one is about 6 foot tall. I think I have seen sale prices down in the \$20-something area. Again, a little PM motor with a big pulley-little pulley arrangement.

In either case, the weakest link is what to use for a 12V 1Amp generator/alternator? Something fairly small and light but not a toy. Anyone have any ideas? I can see using a RS PM motor for proof of concept but what if it works<G>?

Gary WA6DTX

----- Original Message -----
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Wednesday, June 18, 2003 7:27 AM
Subject: QRP windmill

> You know, I sent this to someone privately, but after thinking about
> it, I thought it might be appropriate here. At least, now.
>
> -----
>
> You know, that actually makes me wonder...
>
> A lot of old farms had LITTLE windmills. Used to just pump water
> from ponds into troughs for cattle and such. With overflows back
> into the ponds.
>
> I wonder how much power you can get out of one of those on an
> average day....
>
> A SMALL generator. A SMALL gel cell... Could you keep ahead

> of the curve for a week, say, with a K2? With an 817? Heck, with
> an 897?
>
> Mike
>

Date: Wed, 18 Jun 2003 15:03:39 -0500
From: "John Burnley" <JBurnley@ifmc.org>
To: <qrp-1@lehigh.edu>, <iaqrp-1@mailman.qth.net>
Subject: [152515] Iowa QRP Club Hamboree Recap
Message-ID: <sef07f6d.025@iaweb02.ifmc.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Disposition: inline

Wow what a great time! The Iowa QRP Club was active at the Hamboree in
Sioux City Iowa this past Friday June 13 and Saturday June 14.

Activities were kicked off with the annual building event Friday
afternoon. Each year the building event provides an opportunity for
interested individuals to purchase a low cost kit and assemble it during
the session. There are always plenty of Elmers available to help the
less experienced and provide guidance to those who hit a snag. This year
the featured kit was the Power/Indicator Guard kit (otherwise known as
the NoGa PIG) from our good friends down south - the North Georgia QRP
Club (NoGa). This is a fun kit to build and this little Piggie helps you
save your bacon (hi). Our thanks to the NoGa QRP club for helping us
with the kits (and for tolerating and forgiving my mix-ups on previous
posts). Every kit built during the session left the room working as
advertised! More info about this fun kit may be found at
<http://www.nogaqrp.org/> . Following the building session, several
members attended a QRPizzza event at Tom Foolery's (conveniently located
nearby). It was a very enjoyable evening of fun and QRP fellowship!

Jerry Hall (W0PWE) and Brian Kassel (K7RE) presented forums at the
Hamboree on Saturday and did a fabulous job. Brian talked about 'Wire
Antennas For Cheapskates' and I'm ready to start stringing up some wire!
Brian really did a great job and had the opportunity to show his 'rap'
skills. Jerry's topic was 'Micro-controller applications for Amateur
Radio' and he generated quite a bit of interest (and some possible
projects in the works..hint hint). Attention other QRP forums.....try
to get these two to your events to give a presentation!!!!!! You will
be glad you did.

It was really great to see Jerry (WB0T) and Mabel (N0EUM), Brian (K7RE) and Joanne, Jerry (W0PWE) and his son David (who is a real trooper), Darrell K0AWB and his family (Joanne W0WAC, Kristi KCONQJ, Amanda), Bob KB0HR, Gary WY0V, and the others. There were several familiar faces that I missed because they could not attend this year: Ade (W0RSP), Jim (KK6MC), Larry (WB0RMT), and Mike (N0MF). Guys we really missed your presence and I hope to see you sometime over the next year.

Finally, our thanks to the American QRP Club and the 'Lab' from the American Radio Relay League for providing FB goodies to give away. The ARRL provided books and the AM-QRP Club provided a NorCal BLT Tuner Kit, NorCal Resistor Kit, NorCal Keyer Kit (this is a brand new offering from the club and looks like a winner), and a NorCal MiniBoots Amp Kit. There were quite a few happy faces leaving the forum rooms last weekend. Again our thanks to the ARRL Lab and the American QRP Club for donating the prizes and their FB support of our QRP activities.

72/73, John NU0V

Date: Wed, 18 Jun 2003 16:49:30 -0400
From: "Dennis Brickey" <n4dd@preferred.com>
To: <qrp-l@lehigh.edu>
Subject: [152516] FOX:N4DD Final Log
Message-ID: <001201c335db\$1e9691c0\$9f617642@computer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

This is it! See you in two weeks from the N4DD field day sight!

72,

Dennis

2200 NK6A 599 CA DON 5W

2201 N5ZE 559 TX LEW 5W
2202 N0TK 559 CO DAN 5W
2203 N0WX 599 MN MIKE 5W
2203 KB7WW 559 OR ART 5W
2204 W5YR 559 TX GEORGE 5W
2205 W0EB 559 KS JIM 5W
2206 KK6MC 559 NM JIM 5W
2207 AC7A 559 AZ TOM 5W
2208 K7FD 579 OR JOHN 5W
2209 W0NTA 559 CO DICK 5W
2209 KK5NA 559 TX JOE 5W
2210 W3CD 559 CA BOB 5W
2212 K5OI 559 OK TIM 1W
2213 K0EVZ 449 ND DOC 4W
2214 N1TP 559 FL TOM 5W
2215 N0UR 579 MN JIM 5W
2220 K5ZTY 559 TX BILL 5W
2224 K5EOA 559 LA WAYNE 5W
2225 AA7EQ 559 AZ BOB 5W
2230 K5SR 559 TX DALE 5W
2233 W5KDJ 559 TX WAYNE 500 MW
2237 N5IB 559 LA JIM 5W
2237 N5YFC 559 LA WAYNE 5W
2240 W6AZ 559 CA RON 5W
2241 W0MPR 599 CO GREGG 5W
2242 N1FN 559 CO ET 5W
2251 N0JRN 559MO JERRY 5W
2258 WB5EKU 449 CA DON 5W
2302 N5FFF 559 LA WAYNE 5W
2307 K5JHP 559 TX BILL 5W
2308 W7ILW 559 AZ WALT 5W
2310 AB9CA 559 AL DAVE 5W
2312 KG6WP 559 CA HOWARD 5W
2321 K7HBN 559 WA GEORGE 5W
K0FRP
N4DD

Date: Wed, 18 Jun 2003 14:50:47 -0700
From: "George Heron N2APB" <n2apb@erols.com>
To: "NJQRP" <njqrp@njqrp.org>, "QRP-L" <qrp-l@lehigh.edu>
Subject: [152517] LabView for Simulations?
Message-ID: <003a01c335e4\$d8107a40\$440c650a@GHLTP4>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Has anyone had any experience with the LabView simulation program suite? I was over at a super technical book store here in Santa Clara today ("Digital Guru") and they have a big spread of these books. Many different topics ... one focuses on analog circuits simulation, another on signal processing, etc. Each book is a bit expensive (~\$70), but they include a CD-ROM containing a student version of the program and select libraries according to the book topic.

73, George N2APB
n2apb@amsat.org

PS: We've had some great "simulation" material waiting in the wings for publication from Joe Everhart, N2CX and some more from Rob Bingham, W2ROB. This topic will soon be making its way in an in-depth manner to the pages of the AmQRP HOMEBREWER magazine
(<http://www.amqrp.org/homebrewer/homebrewer.html>)

Date: Wed, 18 Jun 2003 22:15:09 +0000
From: "K. Edwards" <n3eeg@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [152518] WTB: Index Labs QRP+
Message-ID: <Law9-F480sp0yx2pA0v0000deb3@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Does anyone have one of these transceivers they'd be willing to sell inxensively (...OK - cheap...)?
Tnx...
--Ken

The new MSN 8: smart spam protection and 2 months FREE*
<http://join.msn.com/?page=features/junkmail>

Date: Wed, 18 Jun 2003 16:30:13 -0600 (MDT)
From: Karl Larsen <k5di@msn.com>
To: qrp-l@lehigh.edu

Subject: [152519] Spam is about to arrive
Message-ID: <Pine.LNX.4.44.0306181622550.2230-100000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Due to the two places that QRP-L messages are displayed in bulk my new e-mail address which I should have said is k5diATmsn.com but did it wrong is out and available to the spam money makers. I expect it to start in just a few days and it's my fault.

To all the members of QRP-L: NEVER put your e-mail address in a message!!! Last year or maybe 2 I had my ARRL reflector address in my tag line. Today I get 25 spam messages a day to that address!

If it gets bad I will change to another e-mail address.

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Wed, 18 Jun 2003 18:59:02 -0400
From: Chuck Ludinsky <cjl@mitre.org>
To: neqrp@jonal.net, qrp-l@lehigh.edu
Subject: [152520] NEQRP CW Net, Thursday, 19 June 03, 08:30 PM EDT, 3.565 MHz
Message-ID: <3EF0EEB6.9E023939@mitre.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The New England QRP Club's 80M CW net, WQ1RP, will meet again on Thursday, 19 June 2003, at 8:30 PM EDT (00:30Z, 20 June 03) on or near 3.565 MHz. All hams are welcome. Net control operator will be John, K1RC, operating from Dracut, MA.

Last week's net op was Chuck, K1RL, operating from Chelmsford, MA. With considerable QRN and some QRM reported, we had a total of six participants in the net:

K1LGQ	Dennis	Brookline, NH	599
K1RC	John	Dracut, MA	599
N1VS	Vince	Winstead CT	599
W1KRT	Ken	Springfield, NH	599
WA8BXN	Mike	nr Cleveland OH	<299
K1CL	Chuck	Chelmsford, MA	net op

Had a lot of difficulty trying to copy Mike, with QSB added to the noise and low signal level; otherwise, signals were quite good.

Thanks to everyone for checking in. Please stop by and say Hi to John this week.

72 DE K1CL,
Chuck

Date: Wed, 18 Jun 2003 19:30:05 -0400
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: <qrp-l@lehigh.edu>
Cc: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
Subject: [152521] Good tutorial!
Message-ID: <721D3436A7C2B344A301FD4A413C71A9016F31FF@kosh.arrlhq.org>
content-class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

If any of you have ever wondered how antennas, gain, path loss, antenna = factor and all those similar mysterious sounding things related to = received signal levels, see the tutorial at:

http://www.djmelectronics.com/articles/tdk_antenna_param.pdf

If you read it, you will know just how loud a signal your 20 meter Yagi = will pick up if it is in a 30 uV/m field!

73,=20
Ed Hare, W1RFI
ARRL Lab
225 Main St
Newington, CT 06111
Tel: 860-594-0318
Internet: w1rfi@arrl.org
Web: <http://www.arrl.org/tis>

Date: Wed, 18 Jun 2003 20:21:50 -0400
From: "Bill, N4QA" <n4qa@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [152522] Wow ! Look at those DSW-II-20s GO !
Message-ID: <BAY1-F82dqN19bBLmUj0000ab87@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Hey, gang.

I visit Dave's (K1SWL) website frequently:

<http://www.smallwonderlabs.com>

He's added a 'DSW' page to his 'Shipping Status' thingy.
Hope a BUNCH of the rest of y'all bug the DAYLIGHTS outta Dave for a
DSW-II-80 so's he'll get to workin' on that model soon! I'm wantin' mine
REAL BAD!
80 is the best band ever for these rigs...HONEST!

My DSWTUN03 conversion socket for the PIC is ready to roll...
<http://www.n4qa.com/dsw/dswtun03.html>
hee hee hee...

73.
Bill, N4QA
<http://www.qsl.net/n4qa/>

Protect your PC - get McAfee.com VirusScan Online
<http://clinic.mcafee.com/clinic/ibuy/campaign.asp?cid=3963>

Date: Wed, 18 Jun 2003 17:35:29 -0700
From: Mike Seiffert & Lorene Samoska <samsei@earthlink.net>
To: qrp-1@lehigh.edu
Subject: [152523] roof top radial question
Message-ID: <3EF10551.3BEBEB0A@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi everyone -

My question is about radials. I have 4 radials lying on top of my roof. Each is about 1/4 wave long and have to zig zag a bit to fit. I understand that elevated radials work better (i.e. fewer are needed), than ground radials. Does a wire lying on my roof count as "elevated"? Would it help to have them a couple inches off the roof? Or do they need to be up 8 feet off the roof to get the "elevated" benefit? It's an old wood frame house with composite shingles. Any ideas on how to model this in EZNEC?

The antenna a homebrew vertical - it's a single band center loaded 1/4 vertical for 40 m made with one of those 20' fishing poles with a wire running through it. The fishing pole isn't quite 1/4 wave at 40 m, hence the need for center loading. I have the base of this mounted on top of my roof, about 20' up.

Cheers & 73,
Mike KG6MGJ

Date: Wed, 18 Jun 2003 20:56:41 -0400
From: John Meade <jm416@optonline.net>
To: qrp-1@Lehigh.EDU
Subject: [152524] NC40A Upgrade
Message-ID: <000501c335fd\$a7f22c50\$d5102f18@DH89Q211>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

This is nothing new really, but I am happy with the modifications that I did to my Wilderness Radio NC40A.

1. I put the KC1 in. I may change the offset to 914 instead of 915. It is really fun to use.
2. Put in an MRF237 final transistor. Went from 2.0W to 2.5W on a gel cell. (A bit disappointing).
3. Replaced all caps with silver micas (same values) from Dan's Small Parts. 0.5W more output.
4. Squeezed the turns closer together of the output filter inductor closest to the antenna. Another 0.5W.
5. Took off 1 turn from the other output filter inductor closest to the

final. Big difference. I can now get almost 5W on the gel cell, and over 6W output with a slight increase in power supply voltage.

I am having many fun QSO's with the modified rig.

72,

John W2XS

Date: Wed, 18 Jun 2003 21:24:44 -0400
From: "Martin Hartwell" <chartwell@worldnet.att.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [152525] New linux site
Message-ID: <LCEBJOKPGPNGOAKECJNGCEGJCKAA.chartwell@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi

I sent in and got registered on the new linux site, got my confirmation but I can't post for some reason. Anyone else have this problem?

Marty kd8bj

Date: Wed, 18 Jun 2003 20:54:45 -0500
From: "Brian Murrey - KB9BVN" <brian@iquest.net>
To: "Flying Pigs" <fpqrp-l@fpqrp.com>, "QRP-L" <qrp-l@lehigh.edu>
Subject: [152526] DSW II - The Build
Message-ID: <007e01c33605\$c338ecd0\$2464030a@bmurrey2K>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I got my DSW II kit in the mail this weekend and started building tonight. I only spent about 2.5 hours on it and I'd guess I'm about half done now.

Dave Benson has done another great job on the documentation and the construction steps. Very easy to follow and build.

I hope to have it finished tomorrow night and I am going to try and take it on vacation to the Carolinas with me on Friday.

Maybe we'll have a QSO!

72

```
=====
KB9BVN/QRP - New Whiteland IN - EM69WN
QRP-ARCI #10223 QRP-L #1540 FIST #5695
FISTS CC #764 - Proud Member ARRL
K1 #1205, NC40A, or SWL Rigs
INTO INFAMOUS AF4PS ATTIC DIPOLE
SOC #400 AND FLYING PIGS QRP #-57
=====
```

Date: Wed, 18 Jun 2003 22:21:34 -0400 (EDT)
From: "n2cx" <n2cx@voicenet.com>
To: njqrp@njqrp.org
Cc: qrp-1@lehigh.edu
Subject: [152527] Reminder - NJQRP meeting this Saturday
Message-ID: <200306190221.h5J2LYDC000085@email2.voicenet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1

Gang,

Just a reminder that we will have an NJQRP meeting this week.

No special agenda, but we will have a handout and a short talk on the recent formation of AmQRP and what its effects will be on NJQRP (and NORCAL).

Plus we encourage all to bring their latest creations, projects, awards and questions as usual.

We meet in the foodcourt of the Forrestal Center on Rt 1 in Princeton. The gang generally starts showing up around 9 to 9:30 for an informal social session and discussion of whatever is happening in NJ QRP.

See you there!

Joe, N2CX and George, N2APB

for the NJQRP and AmQRP

Date: Wed, 18 Jun 2003 22:27:06 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [152528] Since we trade rigs and such...
Message-ID: <004301c3360a\$4a835640\$0200a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

A digital camera is rapidly becoming invaluable.

Alex just sent me pictures of a broken winding in his new HRO-60.

I've sent photos out when I sell or trade.

Anyway...

WalMart is dumping a bunch of cameras. I just got a new in the box still sealed up Vivitar DSC350 digital camera today for \$65.

And... What's nice about it is it has NTSC and PAL output. That means you can tie it DIRECTLY into a QRP ATV setup. Just set the mode on the camera and now you can be transmitting. It has a 'live' viewfinder on the back that you can use to set up the camera view, but unfortunately it does NOT stay live while streaming video, so you can't see the signal you're sending to your transmitter.

It does NOT have any video input

I MAY be able to fool the output, though. I'll have to play with it and see if I can get the photo preview to stream while the LCD panel is live. If so, then it would work for ATV and also give you a preview of what you're sending. Have to play...

Mike

Date: Wed, 18 Jun 2003 22:35:58 -0400 (EDT)
From: "n2cx" <n2cx@voicenet.com>
To: njqrp@njqrp.org

Cc: qrp-1@lehigh.edu
Subject: [152529] More or less on topic cheap "atomic" clock
Message-ID: <200306190235.h5J2Zwiu000757@email2.voicenet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1

Gang,

My XYL knows I love gadgets and knows quite well how errr frugal I can be. So when she saw one of the WWVB-synced clocks for \$9.99 at Walgreens this week she graciously let me know.

Sorry if a similar item has been discussed already, but meeting my price point caught my attention!

It is marketed by Walgreens and the instruction sheet say it is a Model 701071 and distributed by East West Distributing.

It is about the size of a squat thick bar of soap and is powered by two AAA cells.

Upon turn on it attempts to sync to WWVB. Now NJ is on the outer fringes of the WWVB coverage area (too far from Ft Collins, CO) so its syncing is marginal. It shows a tower symbol when syncing and flashes some ((())) around the tower when a signal is detected. The more (), the stronger the signal. Had to take it outside to even see a signal and 100 feet from power lines and houses to get it to sync. when it has achevied sync, the ((())) symbols and the tower symbol stop flansing

Once sync'ed it seems to grab the signal for 24 hours or so. but the quartz clock inside is pretty good even between syncs.

Alas it allows adjsutment only the the US time zones though it does have a 24 hour time display option. And it includes a thermometer that told me that it was 91.8 deg in my back yard this last Sunday!

All in all its well worth the price - assuming the lack of Zulu time display is not critical.

72/73,

Joe E., N2cx

Date: Wed, 18 Jun 2003 22:20:02 -0400 (EDT)
From: George Gingell <k3tks@u1.abs.net>

To: "David J. Adams" <david@theadamsclan.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [152530] Re: SuSe 8.2 & RH 9.0
Message-ID: <20030618220201.K36895-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

David,

Thanks for your user comments on OpenSystems, etc. I still have not decided on RH9.0 vs SUSE 8.2, but I did make the move to STAR OFFICE 6.0 this past weekend. Actually I just bought the package and am waiting for the laptop to be returned so that I can install STAR OFFICE and start learning how to use it.

I chose it because of the fact that I read right on the box that it came ready to roll for both Linux and Windows. I seem to have had a toe in the linux world for several years now with my email shell account, I had been thinking of building a system for the home office and shop that I could both experiment on and use for my business with out a great expense.

This seems to be the ticket for me. I had been doing most of my business recordkeeping on Lotus SmartSuite which along with the IBM 365X lap top has been getting a bit long in tooth. Still, It does what I need, so I don't see the need to upgrade just to keep up with the crowd.

I am not sure if I understood correctly or not, but did you say that the OpenSystems Suite also works on Windows?

I just started reading the manual tonight and discovered that there is an added benefit from buying the Star Office 6.0 Package. It includes Adabas D database program with the package. While I know absolutely nothing about it, i suspect that it is definately a Value Added package. Maybe i can put it to good use with my business.

I expect that I will have to devote quite a lot of time to learning all of this stuff over the next year or so, but i would have had to do the same no matter what system I chose.

Thanks again for the comments.

QRPp Dx Tu (C) 2002

Sir George, The First :^}

72 ES QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -

QRP A.R.C.I. Board of Directors & QQ Back Issues Sales and Services
Yes, We take "PayPal" to "George Gingell" <K3TKS@abs.net>

Gingell & Company, Ltd.
Locksmith & Handyman Services (301) 572-6789 Office & Fax
George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117

Date: Thu, 19 Jun 2003 02:57:08 +0000 (GMT)
From: "Adam Vazquez Kb2Jpd" <adamvaz@palm.net>
To: <qrp-1@Lehigh.EDU>
Subject: [152531] Re:MiniProp Plus for DOS on Poquet
Message-ID: <20030619025708.4A89D450E@mo130uhou.palm.net>
Mime-Version: 1.0
Content-Type: text/plain

If the software uses a math coprocessor, you might be out of luck. I remember there being a TSR for 8087 emulation. Check out the documentation and check out your gear.

Adam Vazquez Kb2Jpd

This email was sent from my Palm(TM) i705 wireless handheld

"We read to know we are not alone."
Shadowlands -William Nicholson

Date: Wed, 18 Jun 2003 23:03:31 -0400
From: "Robert K. Henderson" <rk@sympatico.ca>
To: <qrp-1@lehigh.edu>
Subject: [152532] RE: QRP windmill
Message-ID: <BB16A042.6E7%rk@sympatico.ca>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

A few years ago I wrote an article for QST about Army sparks in WWII. Two of my respondents had become hams in the 1920s as farm boys on non-electrified spreads on the Great Plains. At least one of them whittled a wind turbine out of 2X4's and hooked it up to a Model alternator to recharge his shack's batteries.

So the idea of harnessing wind for power on those old farms was pretty common. As to whether any farm kid could afford a sheet metal rotor like the kind used to pump water, it seems doubtful. Even used ones I'm sure had a ready market in that time and place.

Anyone interested in reading the article will find it on my web page at:
<http://rkhen.tripod.com/brass.htm>

--

Rob Henderson
KB7PWJ

See my article "Low Power, Crummy Antenna," QST, December 1999. PDF file available from the ARRL website:

<http://www.arrl.org/tis/info/pdf/9812057.pdf>

Date: Wed, 18 Jun 2003 21:12:24 -0600
From: "Jerry Felts" <nr5a@rap.midco.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [152533] Norcal Doublet?
Message-ID: <008401c33610\$9b68a910\$3865dc18@jerryhc0zffj19d>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Just finished building a BLT but the LED side of it does not work. I get that taken care of but thats not what this email is about. I was reading somewhere that someone was using a Norcal Doublet with there BLT??? Went to the old Norcal Page and the new AMQRP Club page but couldn't find it. Doing a Google search got me nothing either. So my question tonite is what is a Norcal Doublet?

Jerry - NR5A - South Dakota

Date: Wed, 18 Jun 2003 23:16:16 -0400
From: Peter Burbank <plburbank@earthlink.net>
To: dtx@wood.tzo.com,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [152534] Re: QRP windmill
Message-ID: <5.2.0.9.0.20030618230337.009fb120@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 03:35 PM 6/18/2003, DTX wrote:

>And along those lines, our friends at Harbor Freight have these cute little
>garden decoration windmills, right? One is about 3 foot tall and another
>one is about 6 foot tall. I think I have seen sale prices down in the
>\$20-something area. Again, a little PM motor with a big pulley-little
>pulley arrangement.

>

>In either case, the weakest link is what to use for a 12V 1Amp
>generator/alternator? Something fairly small and light but not a toy.
>Anyone have any ideas? I can see using a RS PM motor for proof of concept
>but what if it works<G>?

>

>Gary WA6DTX

>

>----- Original Message -----

>From: "Mike Yetsko" <myetsko@insydesw.com>

>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

>Sent: Wednesday, June 18, 2003 7:27 AM

>Subject: QRP windmill

>

>

> > You know, I sent this to someone privately, but after thinking about
> > it, I thought it might be appropriate here. At least, now.

> >

> > -----

> >

> > You know, that actually makes me wonder...

> >

> > A lot of old farms had LITTLE windmills. Used to just pump water
> > from ponds into troughs for cattle and such. With overflows back
> > into the ponds.

> >

> > I wonder how much power you can get out of one of those on an
> > average day....

> >

> > A SMALL generator. A SMALL gel cell... Could you keep ahead
> > of the curve for a week, say, with a K2? With an 817? Heck, with
> > an 897?

> >
> > Mike
> >

Mike ,Gary and Gang

I was thinking about an old wimpy Shakespeare trolling motor that's here (somewhere).

There was an interesting article about 25 years ago in Mother Earth News about the

Wincharger (Sioux City Iowa I think) and how all the problems were addressed.

73 to all

Pete NV4V

Date: Wed, 18 Jun 2003 23:22:33 -0400
From: "Henry Freedenberg" <henryf@quartz.gly.fsu.edu>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>, n2apb@erols.com
Subject: [152535] Re: LabView for Simulations?
Message-ID: <3EF0F439.24211.95DECC@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

Santa Clara? The Norcal merger must be serious stuff.

You can get most of the Labview material gratis from National Instruments. Check out their website. Look for their DAQdesigner CD. National Instruments is also quite

aggressive about recruiting new users. They sponsor a series of free seminars designed to orient new users to Labview. I have been to several of them and have been quite impressed with the quality of instruction. Call your district sales rep and ask to be put on his contact list.

Henry

On 18 Jun 2003 at 14:50, George Heron N2APB wrote:

> Has anyone had any experience with the LabView simulation program
> suite? I was over at a super technical book store here in Santa Clara
> today ("Digital Guru") and they have a big spread of these books.
> Many different topics ... one focuses on analog circuits simulation,

> another on signal processing, etc. Each book is a bit expensive
> (~\$70), but they include a CD-ROM containing a student version of the
> program and select libraries according to the book topic.
>
> 73, George N2APB
> n2apb@amsat.org
>
> PS: We've had some great "simulation" material waiting in the wings
> for publication from Joe Everhart, N2CX and some more from Rob
> Bingham, W2ROB. This topic will soon be making its way in an in-depth
> manner to the pages of the AmQRP HOMEBREWER magazine
> (<http://www.amqrp.org/homebrewer/homebrewer.html>)
>
>

Date: Wed, 18 Jun 2003 23:33:01 -0400
From: Jim Eshleman <jce0@Lehigh.EDU>
To: qrp-l@Lehigh.EDU
Subject: [152536] N3VXI off to NC
Message-ID: <3EF12EED.5070709@Lehigh.EDU>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Gang,

I'm off to NC for a week. I've set QRP-L to unmoderated and we'll see how it goes. I'll likely not get much time in front of the computer while I'm gone - perhaps once or twice a day. I'll leave the list unmoderated as long as there doesn't seem to be a need for moderation.

73 es gl
Jim N3VXI

Date: Wed, 18 Jun 2003 20:51:58 -0700
From: "Paul Maciel" <ak1p@earthlink.net>
To: <nr5a@rap.midco.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [152537] RE: Norcal Doublet?
Message-ID: <MABBIGKPCNBABJOKEJG00CEDGCCAA.ak1p@earthlink.net>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Jerry,

Here is a link to Doug's (KI6DS) original QRP-L article.

http://www.qsl.net/wd8rif/text/norcal_doublet.txt

To quote Doug:

"..... So, I got a piece of ribbon cable 50 feet long and did the following:

1. I separated two conductors from the cable, and had a two conductor strand that was 50 feet long.
2. I measured 26 feet and marked with a marker.
3. I then took one nylon cable tie, put it through the eye of a small fishing snap swivel, and then tighten it around the cable. This would become the center support of the doublet. I would use the snap to hook to the eye at the top of the SD20 fiberglass fishing pole.
4. Next, I split the two strands to the 26 ft. mark and the nylon cable tie. (It not only attaches the snap swivel, it also keeps the cable from splitting farther.) I now have a NorCal Doublet with two 26 ft. legs, and a 24 ft. feedline of 2 conductor ribbon cable that acts as twin lead.
5. I attach a ten ft. piece of heavy string, actually it is nylon cord, to each end of the legs. I use 20 penny nails as anchors if there is nothing to tie off the Doublet to.
6. The last thing is to attach the feedline to my ZM-2 Tuner and I am ready to rock and roll on 10 - 40 meters."

Cheers,
---Paul AK1P

> -----Original Message-----
> From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of
> Jerry Felts
> Sent: Wednesday, June 18, 2003 8:12 PM
> To: Low Power Amateur Radio Discussion
> Subject: Norcal Doublet?
>

>
> Just finished building a BLT but the LED side of it does not work. I get
> that taken care of but thats not what this email is about. I was reading
> somewhere that someone was using a Norcal Doublet with there
> BLT??? Went to
> the old Norcal Page and the new AMQRP Club page but couldn't find
> it. Doing
> a Google search got me nothing either. So my question tonite is what is a
> Norcal Doublet?
>
> Jerry - NR5A - South Dakota
>

Date: Thu, 19 Jun 2003 00:04:38 EDT
From: ARDUJENSKI@aol.com
To: qrp-l@lehigh.edu, nr5a@rap.midco.net
Subject: [152538] Re: Norcal Doublet?
Message-ID: <1c1.b56bd3e.2c229056@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Jerry

Let me first point you in the direction of searching old QRP-L FILES by
going to ASP SEEK or
<http://qrp.kd4ab.org/cgi-bin/s.cgi>

The NORCAL DOUBLET is a 44ft dipole made from ribbon cable. The description
can be had at:
<http://listserv.lehigh.edu/lists/Archives/qrp-l/0219.html>

Hope this is of some help----

Alan KB7MBI in Woodinville, WA
FISTS 5702 / ARS / Proud member of ARRL
--- --- --- --- DIT DIT

Date: Wed, 18 Jun 2003 23:18:56 -0500
From: "Doc K0EVZ" <dock0evz@earthlink.net>
To: "qrp-l reflector" <qrp-l@lehigh.edu>
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>
Subject: [152539] K0EVZ moving to NM
Message-ID: <4120036419418567@earthlink.net>
MIME-Version: 1.0

Content-type: text/plain; charset=US-ASCII

Gang:

After being unemployed for 9 months, I am finally going back to work. Will be moving to the Albuquerque, NM, area sometime next week. Hard to believe how tough it has been on our family.

We're not certain where we will be living. I will be taking along several small rigs, batteries and antennas. Will be on the air from Bismarck as much as possible in the next few days.

73,

--Doc/K0EVZ

Date: Thu, 19 Jun 2003 00:47:30 -0400
From: Peter Burbank <plburbank@earthlink.net>
To: qrp-1@lehigh.edu
Subject: [152540] RE. windmill
Message-ID: <5.2.0.9.0.20030619003533.009f8890@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

QST had an article a few years back about a vertical (Savonious) wind powered generator that was made from a 55 gallon druma bit heavy for the back pack types. :-) Seems like a large squirrel cage blower fan (minus the ac motor and housing) might be interesting.
Pete NV4V

Date: Thu, 19 Jun 2003 00:07:21 -0500
From: Dave Hottell <hottell@gulftel.com>
To: myetsko@insydesw.com,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [152541] Re: QRP windmill
Message-ID: <3.0.6.32.20030619000721.00a9cba0@pop.gulftel.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Mike and gang,

Wind generators are routinely available for sailboats. Check one of the marine outfitters (West Marine, E&B, Boat/US) for a commercial one. Made for salt water so a tad expensive, but you can get an idea of what is possible in terms of power out.

Someone also makes, or used to make, a water driven generator that was made to be towed by the sailboat. Might find some surplus ones at a larger marine surplus place. Salvage the parts and take it from there.

73 de Dave
ab9ca/4

At 10:27 AM 6/18/03 -0400, Mike Yetsko wrote:
>You know, I sent this to someone privately, but after thinking about
>it, I thought it might be appropriate here. At least, now.
>
>-----
>
>You know, that actually makes me wonder...
>
>A lot of old farms had LITTLE windmills. Used to just pump water
>from ponds into troughs for cattle and such. With overflows back
>into the ponds.
>
>I wonder how much power you can get out of one of those on an
>average day....
>
>A SMALL generator. A SMALL gel cell... Could you keep ahead
>of the curve for a week, say, with a K2? With an 817? Heck, with
>an 897?
>
>Mike
>
>
>

Date: Thu, 19 Jun 2003 2:5:31 -0500
From: "Doc K0EVZ" <dock0evz@earthlink.net>
To: "qrp-l reflector" <qrp-l@lehigh.edu>,
"Elecrafft " <elecrafft@mailman.qth.net>
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>
Subject: [152542] WTB KAT100 tuner for K2/100
Message-ID: <41200364197531590@earthlink.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Gang:

Looking for a fully assembled and tested KAT100 ATU to match a K2/100.
Does anyone have one you would part with? I'm no longer able to build
equipment, so looking for one ready to go. Anyone?

73,
--Doc/K0EVZ

Date: Thu, 19 Jun 2003 02:23:10 -0500
From: Edgar R Guillot <n5ed@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [152543] Internet Problems
Message-ID: <20030619.022310.-752661.0.n5ed@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

My computer connects to the Internet through another computer. Both are
running 98SE. The network is fine, but I can only receive Diz's Parts
and Kits, and MSN web pages that I know of. I cannot get Juno or
Microsoft. The connected computer (gateway) can gets everything. Help!
N5Ed.

The best thing to hit the internet in years - Juno SpeedBand!
Surf the web up to FIVE TIMES FASTER!
Only \$14.95/ month - visit www.juno.com to sign up today!

Date: Thu, 19 Jun 2003 06:17:02 -0400
From: "Terres Family" <terresfm@ncia.net>
To: <qrp-1@Lehigh.EDU>
Subject: [152544] RE: NC40A Upgrade & dsw-20
Message-ID: <000601c3364b\$edb64b60\$530a1845@amdxp2100>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hi, I have a dsw-20 that puts out a max of 800 mw. Does anyone familiar with the rig have suggestions for where to make changes similar to the ones John made on his NC40A?

Thanks

Jerry aa1of

-----Original Message-----

2. Put in an MRF237 final transistor. Went from 2.0W to 2.5W on a gel cell.

(A bit disappointing).

3. Replaced all caps with silver micas (same values) from Dan's Small Parts.

0.5W more output.

4. Squeezed the turns closer together of the output filter inductor closest to the antenna. Another 0.5W.

5. Took off 1 turn from the other output filter inductor closest to the final. Big difference. I can now get almost 5W

Date: Thu, 19 Jun 2003 05:58:35 -0500
From: Chuck Carpenter <w5usj@9plus.net>
To: qrp-1@lehigh.edu, "George Baker" <w5yr@att.net>,
 "Lew Paceley" <lew@paceley.com>,
Subject: [152545] NETXQRP Club Meeting & HamCom 21 June
Message-ID: <3.0.2.32.20030619055835.0083d510@mail.9plus.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

QRPers,

The NETXQRP meeting at Terrell will be deferred to July.

For those who are attending HamCom, we can meet for lunch between the midday breaks. We should cross paths sometime during the morning events. Hope to see all y'all there.

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
QRP-ARCI #5422, QRP-L #1306, QRPP-I #115, ARS #1280, SOC #57
Zombie #759, COG #11, 6 Club #201, FP #601 <http://www.netxqrp.org>

Date: Thu, 19 Jun 2003 07:25:16 -0400
From: Tom Bowman <wa3rey@comcast.net>
To: qrp-l@Lehigh.EDU
Subject: [152546] Need MFJ-9406 schematic, please
Message-ID: <004301c33655\$7582c3d0\$08415344@TOMS>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Hi,

Could someone please email me a scan for the 6 Meter SSB Transceiver, MFJ-9406?

Thanks,

Tom,
WA3REY

Tom Bowman, WA3REY, Mount Gretna, PA USA
(All mail scanned by Norton 2002)

Date: Thu, 19 Jun 2003 05:35:34 -0600 (MDT)
From: Karl Larsen <k5di@msn.com>
To: Edgar R Guillot <n5ed@juno.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [152547] Re: Internet Problems
Message-ID: <Pine.LNX.4.44.0306190533350.1262-1000000@bucket.dog>
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Edgar, I'm using the same sort of thing. Tell me how the internet enters computer A and then how computer A and B are connected. 98se isn't very good for routing....

On Thu, 19 Jun 2003, Edgar R Guillot wrote:

> My computer connects to the Internet through another computer. Both are
> running 98SE. The network is fine, but I can only receive Diz's Parts
> and Kits, and MSN web pages that I know of. I cannot get Juno or
> Microsoft. The connected computer (gateway) can gets everything. Help!
> N5Ed.

>

>

> -----
> The best thing to hit the internet in years - Juno SpeedBand!
> Surf the web up to FIVE TIMES FASTER!
> Only \$14..95/ month - visit www.juno.com to sign up today!

>

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Thu, 19 Jun 2003 05:43:50 -0600 (MDT)
From: Karl Larsen <k5di@msn.com>
To: Doc K0EVZ <dock0evz@earthlink.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [152548] Re: K0EVZ moving to NM
Message-ID: <Pine.LNX.4.44.0306190537320.1262-100000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Doc, glad you found a job in ABQ. I live 225 miles south in Las Cruces, NM. If you have a 2 meter radio we can talk over the Megalink which connects a repeater down here with yours up there. I think yours is 146.28 with 100 hz tone.

Depending where you live, you can have as big an antenna as you want. But there are areas with covenants too.

Get a radio on 80 meters and join us at 0630 AM on 3.939 for the MN Breakfast Club.

On Wed, 18 Jun 2003, Doc K0EVZ wrote:

> Gang:
>
> After being unemployed for 9 months, I am finally going back to work. Will
> be moving to the Albuquerque, NM, area sometime next week. Hard to believe
> how tough it has been on our family.
>
> We're not certain where we will be living. I will be taking along several
> small rigs, batteries and antennas. Will be on the air from Bismarck as
> much as possible in the next few days.
>
> 73,
> --Doc/K0EVZ
>
>
>
>
>
>
>
>

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Thu, 19 Jun 2003 07:49:44 -0400
From: Al Scanandoah <k2zn@rochester.rr.com>
To: qrp-l@lehigh.edu
Subject: [152549] WTB: Ten Tec 217 CW Filter
Message-ID: <3EF1A358.6837F3D@rochester.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi

Subject states it all.

72/73 - Al, K2ZN

Date: Thu, 19 Jun 2003 07:16:22 -0500
From: "Greg Tomerlin -WN4M" <wn4m@charter.net>
To: <qrp-1@lehigh.edu>
Subject: [152550] Harness the heat ... was QRP windmill
Message-ID: <NFBBIADNOEJIJNEEECMHKENJEAAA.wn4m@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

If you could harness the energy from all those roof-mounted, rotating attic vents you might be able to charge a bank of batteries for radio use. Those things turn almost all the time... rain or shine. In the winter, some heat from the furnace is lost through the ceiling which turns those turbines as it continues to rise, and during the summer, the attic heats up and turns them. All that wasted energy from that heat rising could be put to good use.

73, Greg Tomerlin -WN4M
Wilson County, TN - EM66ud
wn4m@charter.net : www.qsl.net/wn4m
FPQRP# 517 : QRP-L #2492 : SOC# 555 : ARS# 1435

Date: Thu, 19 Jun 2003 07:30:10 -0500
From: "Greg Tomerlin -WN4M" <wn4m@charter.net>
To: <myetsko@insydesw.com>
Cc: <qrp-1@lehigh.edu>
Subject: [152551] Harness the heat ... was QRP windmill
Message-ID: <NFBBIADNOEJIJNEEECMHEENKEAAA.wn4m@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Oops... I should have read my mail before sending the Harness the heat ... email. Mike already suggested the same thing.

73 72, Greg Tomerlin -WN4M
Wilson County, TN - EM66ud
wn4m@charter.net : www.qsl.net/wn4m

FPQRP# 517 : QRP-L #2492 : SOC# 555 : ARS# 1435

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Mike Yetsko
Sent: Wednesday, June 18, 2003 11:12
To: Low Power Amateur Radio Discussion
Subject: Re: QRP windmill

> If you can figure out a way to couple to it, I've
> often thought one of those air vent spinners might
> be good to try. Don't matter which direction the
> wind is blowing.

Hmm, just put magnets in a ring around the bottom. Then put
a bunch of coils on the base...

Actually, I thought those were convection powered by the rising
heat, NOT from the wind...

Mike

Date: Thu, 19 Jun 2003 08:12:12 -0500
From: "Dave Sjolin" <sjolin@swbell.net>
To: "Tom Bowman" <wa3rey@comcast.net>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [152552] Re: Need MFJ-9406 schematic, please
Message-ID: <038901c33664\$6623d640\$78d1fea9@DaveSjolin>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Tom, I tried to reach you directly but your email bounced. I don't have a
scan but if you don't have any luck getting what you asked for, I would be
happy to FAX a copy of the schematic to you.

73 de Dave, N0IT

----- Original Message -----

From: "Tom Bowman" <wa3rey@comcast.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Thursday, June 19, 2003 6:25 AM
Subject: Need MFJ-9406 schematic, please

> Hi,
>
> Could someone please email me a scan for the 6 Meter SSB Transceiver,
> MFJ-9406?
>
> Thanks,
>
> Tom,
> WA3REY
> -----
> Tom Bowman, WA3REY, Mount Gretna, PA USA
> (All mail scanned by Norton 2002)
>

Date: Thu, 19 Jun 2003 9:48:26 -0400
From: <nf7v@cox.net>
To: qrp-1@lehigh.edu
Subject: [152553] f/s...last call
Message-ID: <20030619134824.UU029841.fed1mtao01.cox.net@smtp.west.cox.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

CW is the preferred mode of the majority of the people on this list. That being said, I have two keys for sale. If you are interested, then please email me with an offer.

Please reply directly to me nf7v@cox.net

- 1) Vibroplex iambic paddle, "Standard" model
- 2) Nye Viking "Master Key" straight key

Thanks,
Russ NF7V
nf7v@cox.net

Date: Thu, 19 Jun 2003 14:31:02 +0000
From: "Tom Dufresne" <tdufres@hotmail.com>
To: qrp-1@lehigh.edu
Subject: [152554] Do I need a SM cap?
Message-ID: <BAY1-F13h29cM3oryKF0000fa92@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

I am building a DC receiver I found in an old ARRL manual (1980) Finally getting around to it. It appears I have all I need except a 42pF SM cap. (Silver Mica) I have a 39 and a 3pF ceramic cap I could use in parallel (they are NPO). This one is NOT used in the VFO, so can I sub the ceramics?

Appreciate comments as always.

The receiver is built using a small (10pF) variable cap, an old coil (it has three leads, I think it is 5uH nominal). It is designed for the 40 meter band.

Thanks in advance
Tom

MSN 8 helps eliminate e-mail viruses. Get 2 months FREE*.
<http://join.msn.com/?page=features/virus>

Date: Thu, 19 Jun 2003 14:39:55 +0000
From: "Dennis Ponsness" <wb0wao@hotmail.com>
To: tdufres@hotmail.com, qrp-1@Lehigh.EDU
Subject: [152555] Re: Do I need a SM cap?
Message-ID: <Law11-F26f65Y5Qc32o00027d3e@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Tom,

I would not sub standard ceramic caps for a SM. I would go out on a limb here and say that the designer specifiec a SM for a particular reason - otherwise he/she would have not specified it as a SM. I would use NPO caps as a substitute. I do have a few extra NPO's and could send you a 20pF abd 22pF if you would like. If so send me your address privately and I will send them out today.

72 es oo

Dennis - WB0WAO

EN84ij Iosco County, Michigan
MultiPig+ #3 - K2 #3555 (In Pre-Production)
DSW-II-20 - SW-40+ - SW-30+
RM-20 - RM-40

NJQRP #329 - FPQRP #-347 - SOC #499
GACW #622 - ARS #1363 - QRP Canada #248
FISTS # 9299
Charter Member - Michigan DX Association
www.qsl.net/wb0wao
:=)

>From: "Tom Dufresne" <tdufres@hotmail.com>
>Reply-To: tdufres@hotmail.com
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: Do I need a SM cap?
>Date: Thu, 19 Jun 2003 14:31:02 +0000
>
>I am building a DC receiver I found in an old ARRL manual (1980) Finally
>getting around to it. It appears I have all I need except a 42pF SM cap.
>(Silver Mica) I have a 39 and a 3pF ceramic cap I could use in parallel
>(they are NPO). This one is NOT used in the VFO, so can I sub the ceramics?
>
>Appreciate comments as always.
>
>The receiver is built using a small (10pF) variable cap, an old coil (it
>has three leads, I think it is 5uH nominal). It is designed for the 40
>meter band.
>Thanks in advance
>Tom
>
>

>MSN 8 helps eliminate e-mail viruses. Get 2 months FREE*.
><http://join.msn.com/?page=features/virus>
>

Help STOP SPAM with the new MSN 8 and get 2 months FREE*
<http://join.msn.com/?page=features/junkmail>

Date: Thu, 19 Jun 2003 11:16:22 -0400
From: David J Adams <david@theadamsclan.com>
To: George Gingell <k3tks@u1.abs.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [152556] Re: SuSe 8.2 & RH 9.0
Message-ID: <3EF1D3C6.5030803@theadamsclan.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Yes, pop over to openoffice.org . It is avail for linux, windows, macs, and solaris. I have it installed on my redhat boxes, winXP boxes and my MacOSX/9.2 dualies...works like a charm...no database, though...

Today, the WM-20 gets a case...tomorrow, and amp to kick it up to 5W peak.

DAve

George Gingell wrote:

>
>I am not sure if I understood correctly or not, but did you say that the
>OpenSystems Suite also works on Windows?
>
>
>
>

Date: Thu, 19 Jun 2003 10:49:00 -0500
From: James Crofutt <crokc@comcast.net>
To: qrp-l@Lehigh.EDU
Subject: [152557] WTB OHR 500
Message-ID: <013b01c3367a\$4d8aadf0\$6401a8c0@Grumpy>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Looking for a very nice OHR 500 with keyer. Will consider whole Qrp station, possibly a OHR 400 would do as well. Thanks 73 NOXE

Date: Thu, 19 Jun 2003 13:09:44 -0400
From: "Mike Boatright" <ko4wx@mindspring.com>
To: <qrp-1@Lehigh.EDU>
Cc: <tdufres@hotmail.com>
Subject: [152558] Re: Do I need a SM cap?
Message-ID: <NFBBILMKCMIIILGKAJMBLGEDDCKAA.ko4wx@mindspring.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Tom,

Ah...knowing where you can cheat--that is indeed the "art" of radio construction (not to be confused with K8IQY's construction technique, which is a whole 'nuther class of art...).

Often a SM is used either because of voltage, as a positive/negative drift compensation (most often only determined by experimentation), because it is there (I don't think 42pF is a standard value, but the author might have been able to find one) or because of part tolerance. Without knowing exactly where in the circuit it is, it's tough to say for 100% certainty, but if I were a betting man, I'd bet it would be worth a try, especially since you already said it's not in the VFO itself.

Many NPO ceramics are in the 10% tolerance range, which means that your 39+3pF could range from 37.8pF to 46.2pF. Ask yourself if this will matter (for example, if there is a variable capacitor in parallel, how much will this affect the overall capacitance range?).

Or you might just do what would probably I do, which is try it and see. If it doesn't work, figure out why--that's how you learn the "art" of radio construction.

72 de Mike, K04WX

Date: Thu, 19 Jun 2003 11:13:01 -0700 (PDT)
From: Wayne Dillon <kc0pmh@yahoo.com>
To: kc0pmh@yahoo.com
Subject: [152559] Morse Keys for sale....
Message-ID: <20030619181301.19265.qmail@web20504.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hi Gang,

Clearing out the shack (again!) and the following Morse Keys are up for sale:

Kent single paddle - \$90
Kent double paddle - \$100
Kent Straight Key - \$100

Hi Mound HK-803 - open to offers on this one, it's fairly rare!

Mail me direct if you're interested, all the above include shipping.

72/3! to y'all

Wayne - KC0PMH

Do you Yahoo!?
SBC Yahoo! DSL - Now only \$29.95 per month!
<http://sbc.yahoo.com>

Date: Thu, 19 Jun 2003 13:51:43 -0500
From: James Crofutt <crokcc@comcast.net>
To: qrp-l@Lehigh.EDU
Subject: [152560] antenna tuner
Message-ID: <024401c33693\$d3ffe080\$6401a8c0@Grumpy>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Looking for a very nice condition, and working Emtech ZM-2 antenna tuner.
Also interested in a OHR W-1 or W-2 wattmeter.

73'
Jim (N0XE)

Date: Thu, 19 Jun 2003 20:49:08 +0100
From: "Leon Heller" <leon_heller@hotmail.com>
To: "Low Power" <qrp-l@Lehigh.EDU>, <msp430@yahoogroups.com>
Subject: [152561] 'F11x1 DIL module
Message-ID: <LAW15-DAV66RMWuLn5U00014187@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;

charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Yesterday I came across an 'F1101 sample in the PW package that I'd mislaid, so I thought I'd redesign my little DIL module to take either a ceramic resonator or a watch crystal, and make it easier to fabricate whilst I was about it. I've added details of the PCB layout to my web page:

http://www.geocities.com/leon_heller/msp_module.html

Leon

--

Leon Heller, G1HSM
leon_heller@hotmail.com
http://www.geocities.com/leon_heller

Date: Thu, 19 Jun 2003 15:58:40 -0400
From: "Al McRorie" <mcrorie7@rogers.com>
To: "QRP-L List" <qrp-l@Lehigh.edu>
Subject: [152562] Fw: Internet Problems
Message-ID: <003801c3369d\$2e551880\$0200a8c0@machine4>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

have a 98/98/me setup here on a network, used info in the 'how-to' section @ <http://www.duxcw.com> to set them up. did a google search on 'network two computers' to find it. another source I've used is at <http://www.annoyances.org> in the Networking section under Share an internet connection. good luck,

Al ve3gam

----- Original Message -----

From: "Karl Larsen" <k5di@msn.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Thursday, June 19, 2003 7:35 AM
Subject: Re: Internet Problems

>

> Hi Edgar, I'm using the same sort of thing. Tell me how the internet
> enters computer A and then how computer A and B are connected. 98se
> isn't very good for routing....

>

> On Thu, 19 Jun 2003, Edgar R Guillot wrote:
>
> > My computer connects to the Internet through another computer. Both are
> > running 98SE. The network is fine, but I can only receive Diz's Parts
> > and Kits, and MSN web pages that I know of. I cannot get Juno or
> > Microsoft. The connected computer (gateway) can get everything. Help!
> > N5Ed.
> >
> > -----
> > The best thing to hit the internet in years - Juno SpeedBand!
> > Surf the web up to FIVE TIMES FASTER!
> > Only \$14..95/ month - visit www.juno.com to sign up today!
> >
>
> --
>
> - Karl Larsen k5di Las Cruces, NM Az ScQRPions -
>

Date: Thu, 19 Jun 2003 15:37:30 -0500
From: James Crofutt <crokcc@comcast.net>
To: qrp-l@Lehigh.EDU
Subject: [152563] OHR 500 found
Message-ID: <03df01c336a2\$9b2ec000\$6401a8c0@Grumpy>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Thanks to all who responded, found a very nice OHR 500 from Steve, K8IDN and
a very good price, thanks Steve!!! This site is super!!!
73 Jim (N0XE)

Date: Thu, 19 Jun 2003 13:53:32 -0700
From: "Rich Johnson" <rjohnson390@attbi.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [152564] Front end mixers
Message-ID: <000d01c336a4\$d852d730\$5c96d00c@END0EB86CD98A1>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have read much on the advantage of Double-Balanced Diode mixer (DBM) over '602 for receiver front end mixers which would lead me to believe most relatively new designs use the DBM. However as I look around at Small Wonder labs, K1, and many others I see the '602 as the first mixer.

So my question is why? Why have not these new designers gone to DBM in the front ends? Or since these receivers are selling is the technical issues between DBM and '602 for the first mixer just academic?

Thanks for any insight.

cheers,
rich

Date: Thu, 19 Jun 2003 17:05:52 -0400
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Cc: <rjohnson390@attbi.com>
Subject: [152565] Re: Front end mixers
Message-ID: <011901c336a6\$93aa7a00\$010044c0@chartermi.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Depends so much on the market.

Passive DBMs end up needing a bunch of power. The 602, while it has its issues, is awfully good. It also depends a bit on the band. In most cases, you would be hard pressed to tell on 20 or 30 whether a rig has a DBM or a 602 without opening it up, or measuring the power. Come sweepstakes weekend, it's a different story.

So, do you double the receive current in order to accommodate one or two weekends a year, when your market consists of a lot of people who carry their batteries out to the field?

The 602 also simplifies things, which is part of the reason why the receive current is low. For a passive DBM, you need to provide more LO power, which makes it harder to keep the VFO stable, and you need to provide RF amplification. On the higher frequencies, that RF amplification can be relatively hard to come by, too. The 602 has enough gain within the chip for most of the HF spectrum. It actually has too much for the lower frequencies, but a resistor is a lot simpler than a decent, IM-proof, RF amp.

Even so, operate an NC-20 for a while, which has a passive mixer, in crowded band conditions. Then operate a K1. The K1 is darned good, but it is visibly inferior to the NC-20. But, if you carry your batteries to the field, the NC-20 will operate half as long on the same batteries. Do you choose dared good, or go for better than that, but sacrifice half your operating time, AND make the rig more complex?

Like anything else, it seems, the answer is always "it depends..."

72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
didileydadidah QRP-L #1446 Code Warriors #35

----- Original Message -----

From: "Rich Johnson" <rjohnson390@attbi.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Thursday, June 19, 2003 4:53 PM
Subject: Front end mixers

> I have read much on the advantage of Double-Balanced Diode mixer (DBM)
> over
> '602 for receiver front end mixers which would lead me to believe most
> relatively new designs us the DBM. However as i look around at Small
> Wonder labs, K1, and many others i see the '602 as the first mixer.
>
> So my question is why? Why have not these new designers gone to DBM in
> the
> front ends? Or since these receivers are selling is the technical issues
> between DBM and '602 for the first mixer just academic?
>
> Thanks for any insight.
>
> cheers,
> rich
>

Date: Thu, 19 Jun 2003 17:13:40 -0400
From: "w8diz" <w8diz@fpqrp.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [152566] Re: Front end mixers
Message-ID: <001d01c336a7\$d53cdd40\$b8cf1d41@cinci.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;

charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Hi Rich,

The 602 has about 14 dB gain vs the ring mixer which has 6 dB loss. The ring mixer will handle much larger input signals without generating spurious output signals but at the cost of circuit complexity, PCB space.

For field day operation where you might have other radios transmitting in your vicinity, you would certainly want to use a diode ring mixer front end vs a 602, but if you were to go backpacking then it is a no brainer to use a 602 front end rig. They are lighter and generally have lower power consumption

There is a place for both type of rigs.

72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio
Clermont County - EM79uf - near Cincinnati; 39:13:05N 84:18:18W
RIG:multiPIG+ ANT:470 FT Horiz Loop <http://kitsandparts.com>

----- Original Message -----

From: "Rich Johnson" <rjohnson390@attbi.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Thursday, June 19, 2003 4:53 PM

Subject: Front end mixers

I have read much on the advantage of Double-Balanced Diode mixer (DBM) over '602 for receiver front end mixers which would lead me to believe most relatively new designs use the DBM. However as I look around at Small Wonder labs, K1, and many others I see the '602 as the first mixer.

So my question is why? Why have not these new designers gone to DBM in the front ends? Or since these receivers are selling is the technical issues between DBM and '602 for the first mixer just academic?

Thanks for any insight.

cheers,
rich

Date: Thu, 19 Jun 2003 16:19:32 -0500
From: KD5NWA <KD5NWA@cbayona.com>
To: rjohnson390@attbi.com, QRp-1@lehigh.edu
Subject: [152567] Re: [ham] Front end mixers
Message-ID: <5.2.0.9.0.20030619161007.00a7bdd0@127.0.0.1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Doubly balance mixers require a very high power LO signal, for receivers meant for field use the power usage is considered excessive by many designers, there is also a cost issue with some receivers, the increase in performance is outstanding however.

A design not used yet in many Ham radios is using FET analog switches as the mixer elements, it has superior performance when compared to either and very low power requirements.

Norcal "American QRP Club" is going to have a kit coming up hopefully soon that will use a Analog Switch Quadrature mixer for both low power usage and superior performance, many of us are counting the days.

.

At 03:53 PM 6/19/2003, you wrote:

>I have read much on the advantage of Double-Balanced Diode mixer (DBM) over
>'602 for receiver front end mixers which would lead me to believe most
>relatively new designs use the DBM. However as i look around at Small
>Wonder labs, K1, and many others i see the '602 as the first mixer.
>
>So my question is why? Why have not these new designers gone to DBM in the
>front ends? Or since these receivers are selling is the technical issues
>between DBM and '602 for the first mixer just academic?
>
>Thanks for any insight.
>
>cheers,
>rich

Cecil
KD5NWA

Date: Fri, 20 Jun 2003 00:29:42 +0200
From: "Sverre Holm" <la3za@qsl.net>
To: <qrp-1@Lehigh.EDU>
Subject: [152568] Re: [ham] Front end mixers
Message-ID: <000001c336b2\$479791a0\$8e00a8c0@Master>

MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

Just like the mixer in the AT Sprint from KD1JV ...

> Norcal "American QRP Club" is going to have a kit coming up hopefully
soon
> that will use a Analog Switch Quadrature mixer for both low power
usage and
> superior performance, many of us are counting the days.

--
73,
Sverre

Sverre Holm, LA3ZA
www.qsl.net/la3za

Date: Thu, 19 Jun 2003 17:35:09 -0500
From: Gary Lee <kb9zuv@arrl.net>
To: qrp-l@lehigh.edu
Subject: [152569] guidance on modifying the tenna dipper
Message-ID: <5.2.0.9.2.20030619173140.00a99220@pop.ameritech.yahoo.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Got a tenna dipper ordered. However, need to make a mod. Instead of using
the brightness of a led, I would like to drive a vco and use pitch.

Now for the questions.

This uses a resistance bridge to drive the led. Would something like an
opto isolator connected to a 555 load the circuit too much?

If so, other suggestions are welcome.

I need this mod, since I can't see a led anyway. But, what a great kit
idea it is.

Thanks all for the help.

Date: Thu, 19 Jun 2003 17:36:58 -0500 (CDT)
From: Dale Botkin <dale@botkin.org>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [152570] Re: [ham] Front end mixers
Message-ID: <Pine.LNX.4.33.0306191728470.1018-1000000@madmax.botkin.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 19 Jun 2003, KD5NWA wrote:

> A design not used yet in many Ham radios is using FET analog switches as
> the mixer elements, it has superior performance when compared to either and
> very low power requirements.

I dunno that it hasn't been used yet -- isn't that what I see in many
older designs from the 70s and 80s that use a 40673, 3N211 or similar
dual-gate MOSFET? I thumb through my 1990 edition of "QRP Classics" and
it looks like about half the projects use them instead of DBMs or 602s.
Now, finding dual-gate MOSFETs now is another matter... I still have half
a dozen or so 40673s I may yet use some day.

Dale

--

It's a thankless job, but I've got a lot of Karma to burn off.
Get a PicoKeyer: <http://www.hamgadgets.com>

End of QRP-L Digest 2956

